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SEQUENCE LISTING

<110> Wei, Ying-Fei et al.

<120> Transforming Growth Factor Alpha HIII

<130> PF220P1

<140> 09/726,348

<141> 2000-12-01

<150> 08/778,545

<151> 1997-01-03

<150> 60/011,136

<151> 1996-01-04

<150> 60/168,387

<151> 1999-12-02

<160> 21

<170> PatentIn version 3.0

<210> 1

<211> 923

<212> DNA

<213> homo sapiens

<400> 1

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agggagcgtg caaaatttgt caaaagtggc cttttattgt aaaacgacac gagagctaata      180
gctgcatgcc cgttgctgcc tgaatcagaa gggcaccatc ttggggctgg atctccagaa      240
ctgttctctg gaggaccctg gtccaaactt tcatcaggca cataccactg tcatcataga      300
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agatcaatct gaactatctt agcccagtca gggagctctg ctctctagaa aggcattctt      780
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ttttaaaaaa aaaaaaaaaa aaa 923

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 <213> homo sapiens

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Ala Ala Leu Leu Leu Ala Leu Gly Val Glu Arg Ala Leu Ala Leu Pro
 -5 1 5

Glu Ile Cys Thr Gln Cys Pro Gly Ser Val Gln Asn Leu Ser Lys Val
 10 15 20

Ala Phe Tyr Cys Lys Thr Thr Arg Glu Leu Met Leu His Ala Arg Cys
 25 30 35

Cys Leu Asn Gln Lys Gly Thr Ile Leu Gly Leu Asp Leu Gln Asn Cys
 40 45 50 55

Ser Leu Glu Asp Pro Gly Pro Asn Phe His Gln Ala His Thr Thr Val
 60 65 70

Ile Ile Asp Leu Gln Ala Asn Pro Leu Lys Gly Asp Leu Ala Asn Thr
 75 80 85

Phe Arg Gly Phe Thr Gln Leu Gln Thr Leu Ile Leu Pro Gln His Val
 90 95 100

Asn Cys Pro Gly Gly Ile Asn Ala Trp Asn Thr Ile Thr Ser Tyr Ile
 105 110 115

Asp Asn Gln Ile Cys Gln Gly Gln Lys Asn Leu Cys Asn Asn Thr Gly
 120 125 130 135

Asp Pro Glu Met Cys Pro Glu Asn Gly Ser Cys Val Pro Asp Gly Pro
 140 145 150

Gly Leu Leu Gln Cys Val Cys Ala Asp Gly Phe His Gly Tyr Lys Cys
 155 160 165

Met Arg Gln Gly Ser Phe Ser Leu Leu Met Phe Phe Gly Ile Leu Gly
 170 175 180

Ala Thr Thr Leu Ser Val Ser Ile Leu Leu Trp Ala Thr Gln Arg Arg
 185 190 195

Lys Ala Lys Thr Ser
 200

<210> 3

<211> 52
 <212> PRT
 <213> homo sapiens

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 1 5 10 15

Glu Asn Gly Ser Cys Val Pro Asp Gly Pro Gly Leu Leu Gln Cys Val
 20 25 30

Cys Ala Asp Gly Phe His Gly Tyr Lys Cys Met Arg Gln Gly Ser Phe
 35 40 45

Ser Leu Leu Met
 50

<210> 4
 <211> 733
 <212> DNA
 <213> homo sapiens

<400> 4

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 aattcgaggg tgcaccgtca gtcttctct tcccccaaa acccaaggac accctcatga 120
 tctcccggac tcttgaggtc acatgcgtgg tgggtggacgt aagccaagaa gaccctgagg 180
 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
 ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca acccccatcg 360
 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
 catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
 atccaagcga catcgccgtg gagggggaga gcaatgggca gccggagAAC aactacaaga 540
 ccacgcctcc cgtgctggac tccgacggct ccttcttct ctacagcaag ctcaccgtgg 600
 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcac gaggctctgc 660
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 gactctagag gat 733

<210> 5
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> SITE

<222> (3)..(3)
 <223> Xaa equals any amino acid

<400> 5

Trp Ser Xaa Trp Ser
 1 5

<210> 6
 <211> 86
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' primer containing 18bp complementary to SV40 promotor and
 an XhoI site

<400> 6
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 cccgaaatat ctgccatctc aattag 86

<210> 7
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 3' primer containing sequence complementary to SV40
 promotor and a HindIII site

<400> 7
 gcggcaagct ttttgcaaag cctaggc 27

<210> 8
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 8
 ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
 aaatatctgc catctcaatt agtcagcaac catagtcccc cccctaactc cgcccatccc 120
 gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
 ttttgagggc ctaggctttt gcaaaaagct t 271

<210> 9
 <211> 32

<212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' PCR primer

<400> 9
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32

<210> 10
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 3' PCR primer

<400> 10
 gcgaagcttc gcgactcccc ggatccgcct c

31

<210> 11
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> NF-KB repeat in upstream primer

<400> 11
 ggggactttc cc

12

<210> 12
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' primer containing the NF-KB binding site, 18bp
 complementary to SV40 promotor, and an XhoI site

<400> 12
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60

ccatctcaat tag

73

<210> 13
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 13
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 caattagtca gcaaccatag tcccgcccct aactccgccc atcccgcccc taactccgcc 120
 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
 cttttgcaaa aagctt 256

<210> 14
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' primer containing a BamHI site and 18nt of TGF alpha HIII

<400> 14
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<210> 15
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 3' primer containing an XbaI site and 21 nt of TGF alpha HIII

<400> 15
 gcgtctagac taaagcagtg agaacgagcc 30

<210> 16
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 5' primer containing a BamHI site

<400> 16
 cgcggatccg tccatcatgg cgcctcacgg cccg 34

<210> 17
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> 3' primer containing an XbaI site

<400> 17
gcgtctagac tacataagca gtgacaacga gcc 33

<210> 18
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing a BamHI site

<400> 18
cgcggtatccc gggcaaaaga acctttgc 28

<210> 19
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer containing an XbaI site

<400> 19
gcgtctagac tacataagca gtgagaacga gcc 33

<210> 20
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> 5' primer containing a BamHI site and 18nt of TGF alpha HIII

<400> 20
cgcggtatccg tccatcatgg cgcctcacgg cccg 34

<210> 21
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> 3' primer containing an XhoI site and 21 nt of TGF alpha HIII

<400> 21
gcgctcagac ataagcagtg agaacgagcc 30